

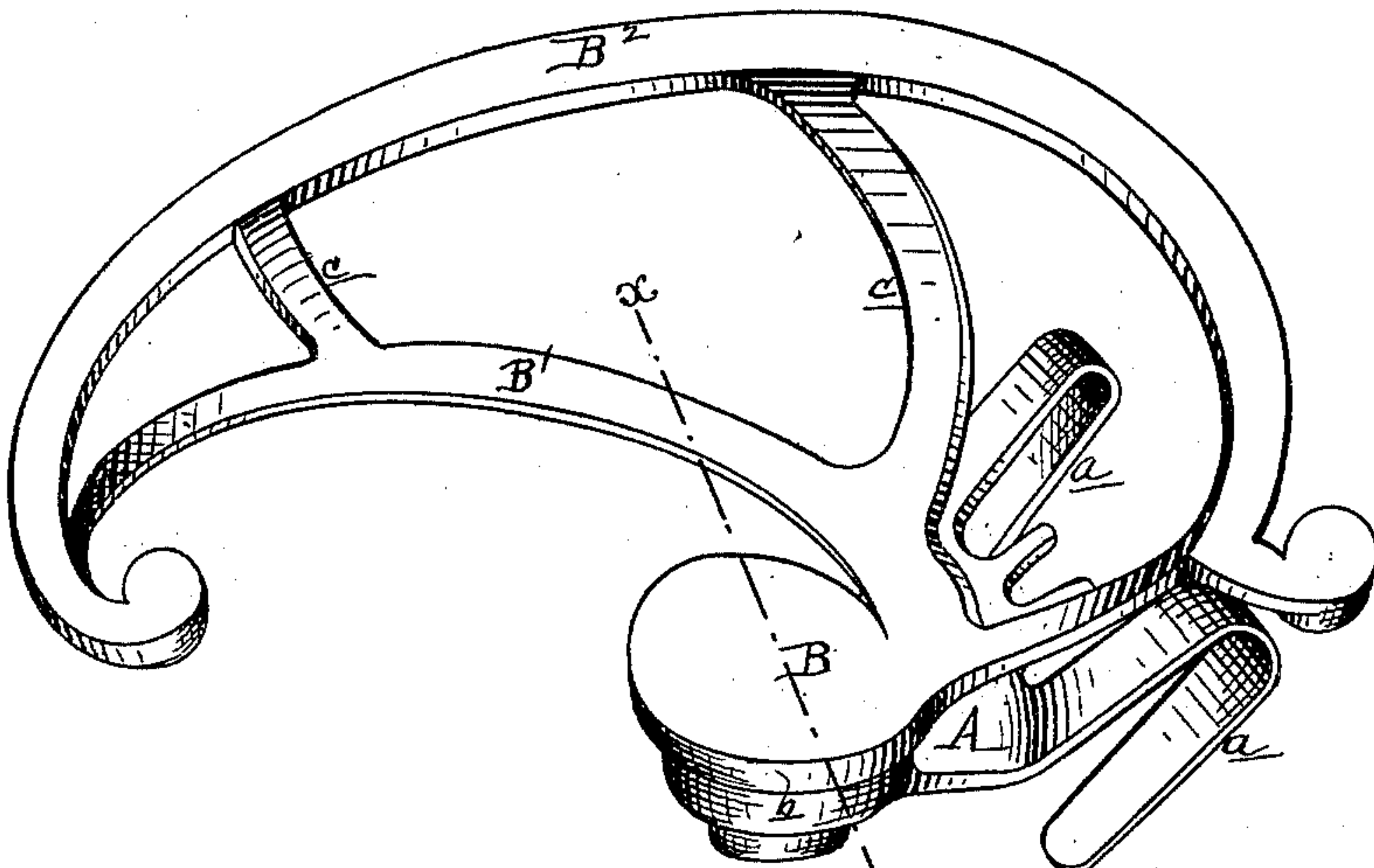
E. E. BREWSTER.

MOP-WRINGER.

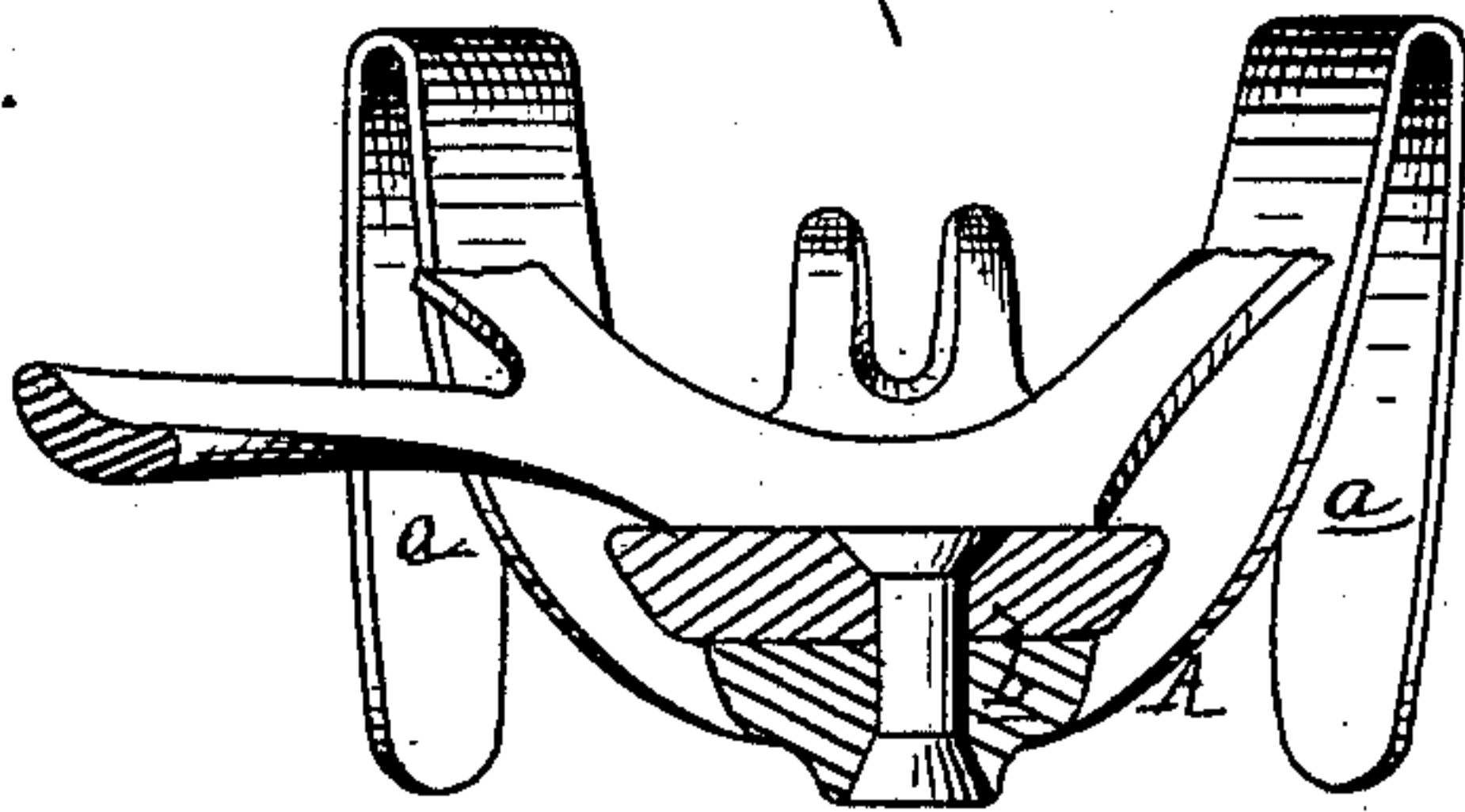
No. 175,916.

Patented April 11, 1876.

*Fig. 1.*



*Fig. 2.*



Attest:  
Edward Parthel.  
Chas. J. Vink

Inventor:  
E. E. Brewster  
By Atty  
Thos. S. Sprague

# UNITED STATES PATENT OFFICE.

EDWARD E. BREWSTER, OF HOLLY, MICHIGAN.

## IMPROVEMENT IN MOP-WRINGERS.

Specification forming part of Letters Patent No. **175,916**, dated April 11, 1876; application filed January 7, 1876.

*To all whom it may concern:*

Be it known that I, EDWARD E. BREWSTER, of Holly, in the county of Oakland and State of Michigan, have invented an Improvement in Mop-Wringers, of which the following is a specification:

The nature of my invention relates to an improvement in a mop-wringer of that variety which is to be attached to a pail, for receiving and securing the mop while it is being twisted to expel the water; and its object is to so construct it that the mop can be more easily engaged with it and be firmly held, the invention consisting in the peculiar construction and conformation of the parts, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a cross-section at *x x*.

In the drawing, A represents a curved bracket, the outer end of which is forked and bent upon itself to form clips or clamps *a a*, by means of which it may be securely attached to the top edge of an ordinary water-pail. The inner end of the bracket terminates in an inclined circular shelf-piece, *b*, to the top of which is riveted a circular center-piece, B, from which rises a spiral sector, B<sup>1</sup>, whose outer end is merged into that of a sector-shaped rim, B<sup>2</sup>, which is supported by braces *c*, as shown, the whole being cast together,

and leaving an opening at the side, through which the mop can be introduced and its side wedged into the acute angle at the junction of the sector B<sup>1</sup> with the center-plate B, which holds it securely while being twisted to expel the water. This arrangement for entering the mop, and engaging it with the wringer, avoids the necessity, heretofore experienced in the use of other devices for this purpose, of stooping down and adjusting it by hand, while it also permits the mop to be wrung from the top or middle before wringing the lower end thereof. The bracket and the wringer proper may be cast in one piece; but it is more convenient to cast them separately and then rivet them together, as described. In order to prevent the mop from slipping in the wringer, the center-plate B and sector B<sup>1</sup> are beveled on their opposing under sides, as represented in the cross-section, Fig. 2.

What I claim as my invention is—

The combination, with the brace A, of the center-piece B, the beveled spiral sector B<sup>1</sup>, the sector-rim B<sup>2</sup>, and braces *c*, constructed and arranged substantially as described and shown.

EDWARD E. BREWSTER.

Witnesses:

H. F. EBERTS,  
H. S. SPRAGUE.